## Clean Set of Amended Claims

7.    (Amended)  A cooling system for a gantry having a linear motor, comprising:

an x-y gantry;

a linear motor of the gantry comprising a temperature sensor configured to produce a linear motor temperature signal;

a processor configured to receive the linear motor temperature signal and produce a first control signal in accordance with a difference between a sensed temperature of the linear motor and a prescribed value; and

a first cooling device configured to cool the linear motor in accordance with the first control signal.

17.    (Amended)  A cooling system for a gantry having a linear motor, comprising:

an x-y gantry;

a linear motor of the gantry comprising a temperature sensor configured to produce a linear motor temperature signal;

a processor configured to receive the linear motor temperature signal and produce a cooling control signal and a driver control signal in accordance with a difference between the linear motor temperature signal and a predetermined value;

a cooling device configured to cool the linear motor in accordance with the cooling control signal; and

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a motor driver configured to control movements of the linear motor in accordance with the driver control signal.

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23.　　(Amended)　A method of cooling a linear motor of a gantry, comprising:

measuring a temperature of the linear motor of the gantry;

comparing the temperature of the linear motor with a predetermined value; and

activating a cooling device configured to cool the linear motor if the temperature of the linear motor is greater than the predetermined value.